Docket Number (Optional) U/19987-0012

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) of an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention ontitled:

SYSTEMS AND METHODS FOR PREPARING AND ANALYZING LOW VOLUME ANALYTE ARRAY ELEMENTS

the specification of which (check one)

() is attached hereto.

(x) was filed on <u>January 23, 1997</u> as United States Application Number or PCT International Application Number <u>08/786.988</u>.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulation, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)			Priority Claimed
(Number)	(Country)	(Day/Month/Year Filed)	() Yes () No
(Number)	(Country)	(Day/Month/Year Filed)	() Yes () No
hereby claim the benefit under T	itle 35, United States Code, §	119(e) of any United States Provisional app	lication(s) listed below.
•			
Application Number)	(Filing Date)		
Application Number)	(Filing Date)		
as the subject matter of each of provided by the first paragraph of material to patentability as define	the claims of this application f Title 35, United States Code ed in Title 37, code of Federa	§ 120 of any United States application(s) I is not disclosed in the prior United States a e, § 112, I acknowledge the duty to disclos I Regulations, § 1.56 which became availabinal filing date of this application.	pplication in the manne
Application Number)	(Filing Date)	(Status - patented,	pending, abandoned)
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patented, pending, abandoned)	(Application Numb	er) (Filing Date)	(Status -
C. Gorecki, Reg. No. 38,471; Edv	ward J. Kelly, Reg. No. 38,93	Cella, Reg. No. 38,099; Gregory J. Glover, 36; Donald W. Muirhead, Reg. No. 33,978; d to transact all business in the Patent and	and Matthew P. Vincen
Address all telephone calls to Edv	ward J. Kelly at telephone nu	mber (617)832-1000.	
Address all correspondence to:			
nadross all correspondence to.	Patent Group Foley, Hoag & Eliot LLP One Post Office Square Boston, Ma. 02109-217	o	
hereby declare that all statemen belief are believed to be true; and the like so made are punishable b	Foley, Hoag & Eliot LLP One Post Office Square Boston, Ma. 02109-217  ats made herein of my own kill further that these statement by fine or imprisonment, or bo	nowledge are true and that all statements nets were made with the knowledge that will ofth, under Section 1001 of Title 18 of the Lof the application or any patent issued there	ful false statements and Jnited States Code and
hereby declare that all statemen belief are believed to be true; and the like so made are punishable b that such willful false statements	Foley, Hoag & Eliot LLP One Post Office Square Boston, Ma. 02109-217 ats made herein of my own kill further that these statement by fine or imprisonment, or bostomay jeopardize the validity of	nowledge are true and that all statements not were made with the knowledge that will out, under Section 1001 of Title 18 of the Lof the application or any patent issued there can be suited.	ful false statements and Jnited States Code and con.
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Sheet 2 of 2

CA

Docket Number (Optional) U/19987-0012

Full name of third inventor (given name, family name) Charles R. Canton Inventor's signature	Date	
Residence 11 Bay State Road, Boston, MA 02215	Citizenship	US
Post Office Addr ss SAME AS ABOVE		
Full name of fourth inventor (given name, family name) Hubert Köster		
Inventor's signature	Date	
Residence 1640 Monument Street, Concord, MA 01742	Citizenship	US
Post Office AddressSAME AS ABOVE		

As a below gamed investor, I hereby

10%

lare that:

D cket Number (Optional) U/19987-0012

My residence, post office addr ss and citizenship are as stated below next t my name.

I believe I am the original, first and sole inventor (if nly one name is listed below) or an riginal, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: SYSTEMS AND METHODS FOR PREPARING AND ANALYZING LOW VOLUME ANALYTE ARRAY ELEMENTS

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			() Yes () No
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Application Number)	(Filing Date)		
Application Number)	(Filing Date)		
naterial to patentability as define	ed in Title 35, Critted States Code, 9 ed in Title 37, code of Federal Re the national or PCT international	112, I acknowledge the duty to disclose egulations, § 1.56 which became available filing date of this application.	between the filing
Application Number)	(Filing Date)	(Status - patented, p	pending, abandoned)
	(Application Number)	(Filing Date)	(Status -
atented, pending, abandoned)	(Application Number)	(Filling Date)	(Status -
C. Gorecki, Reg. No. 38,471; Ed	ward J. Kelly, Reg. No. 38,936:	la, Reg. No. 38,099; Gregory J. Glover, R Donald W. Muirhead, Reg. No. 33,978; a o transact all business in the Patent and T	nd Matthew P. Vincer
address all telephone calls to Ed	ward J. Kelly at telephone number	er (617)832-1000.	
Address all correspondence to:	Patent Group Foley, Hoag & Eliot LLP One Post Office Square Boston, Ma. 02109-2170	:	
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elief are believed to be true; and ne like so made are punishable that such willful false statements ull name of sole or first inventor ventor's signature esidence 393 Glendale Lake Ro	I further that these statements very fine or imprisonment, or both, is may jeopardize the validity of the region (given name, family name) Danial. Patton. PA 16668	vere made with the knowledge that willfu under Section 1001 of Title 18 of the Un he application or any patent issued thereo iel P. Little	I false statements and ited States Code and n.
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(x) Additional inventors are being named on separately numbered sheets attached hereto.



Sheet 2 of 2

CA

Docket Number (Optional) U/19987-0012

Full name of third inventor (given name, family name)	Charles R. Cantor
Inventor's signature	Date
Residence 11 Bay State Road, Boston, MA 02215	Citizenship US
Post Office Address SAME AS ABOVE	
Full name of fourth inventor (given name, family name)	
Inventor's signature	Date
Residence 1640 Monument Street, Concord, MA 01742	Citizenship US
Post Office Address SAME AS ABOVE	

Docket Number (Optional) U/19987-0012

As a below pamed inventor, I hereby

lare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if nly ne name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: SYSTEMS AND METHODS FOR PREPARING AND ANALYZING LOW VOLUME ANALYTE ARRAY ELEMENTS

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Prior Foreign Application(s)			Priority Claimed
(Number)	(Country)	(Day/Month/Year Filed)	() Yes () No
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(Number)	(Country)	(Day/Month/Year Filed)	() Yes () No
I hereby claim the benefit under T	itle 35, United States Code, § 11	9(e) of any United States Provisional appl	ication(s) listed below.
(Application Number)	(Filing Date)		
(Application Number)	(Filing Date)		
as the subject matter of each of provided by the first paragraph o material to patentability as define	the claims of this application is r f Title 35, United States Code, §	120 of any United States application(s) list of disclosed in the prior United States application of the disclose applications, § 1.56 which became available filing date of this application.	pplication in the manne information which is
(Application Number)	(Filing Date)	(Status - patented,	pending, abandoned)
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patented, pending, abandoned)	(Application Number)	(Filing Date)	(Status -
C. Gorecki, Reg. No. 38,471; Ed	ward J. Kelly, Reg. No. 38,936;	la, Reg. No. 38,099; Gregory J. Glover, I Donald W. Muirhead, Reg. No. 33,978; a o transact all business in the Patent and	and Matthew P. Vincer
Address all telephone calls to Ed	ward J. Kelly at telephone numb	er (617)832-1000.	
Address all correspondence to:	Patent Group Foley, Hoag & Eliot LLP One Post Office Square Boston, Ma. 02109-2170		
belief are believed to be true; and the like so made are punishable l	d further that these statements v by fine or imprisonment, or both,	viedge are true and that all statements m were made with the knowledge that willfu under Section 1001 of Title 18 of the U he application or any patent issued there	ul false statements and nited States Code and
	r (given name, family name) <u>Dan</u>		
Inventor's signature Residence 393 Glendale Lake Ro	ad. Patton, PA 16668	Date Citizenship	US
Post Office AddressSA	AME AS ABOVE		
		1.010 "	
		me) Maryanne J. O'Donnell-Maloney Date Citizenshi	

(x) Additional inventors are being named on separately numbered sheets attached hereto.



Sheet 2 of 2

Docket Number (Optional) U/19987-0012

Full name of third inventor (given name, family name) Charles R. (	Cantor
Inventor's signature	Date 6/5/97
Residence 11 Bay State Road, Boston, MA 02215	Citizenship US
Post Office AddressSAME AS ABOVE	
Full name of fourth inventor (given name, family name)Hubert Köster	
Inventor's signature	Date
Residence 1640 Monument Street, Concord, MA 01742	Citizenship US
Post Office Address SAME AS AROVE	

I tieraby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor (given name, family name) Daniel P. Little	Date
inventor's signature	Citizenship US
Post Office AddressSAME AS ABOVE	OID II Malanay
Pull name of second joint inventor, if any (given name, family name) Maryanne	Date
Rissidence 8 Waldron Street. Marblehead. MA 09145	Citizenship US
Post Office Address SAME AS ABOVE (x) Additional inventors are being named on separately numb	ered sheets attached hereto.



Sheet 2 of 2

Docket Number (Optional) U/19987-0012

Full name of third inventor (given name, family name)	Charles R. Canto	or	
Inventor's signature	-	Date	
Residence 11 Bay State Road, Boston, MA 02215	· · · · · · · · · · · · · · · · · · ·	Citizenship _	US
Post Office Address SAME AS ABOVE			
	$\bigwedge_{\alpha} A$		
Full name of fourth inventor (given name, family name)	Hubert/Köster /		7 24 144 7
Inventor's signature	1/2/15	_ Date	tune 29, 1991
Residence 1640 Monument Street, Concord, MA 01742		_ Citizenship _	TO GERMAN
Post Office Address SAME AS ABOVE		• -	

L BUSINESS CONCERN
B EPARING AND ANALYZING LOW YOLUMR ANALYTE ARRA
en Ru

Docket Number U/19987-0012

YTE ARRAY ELEMENTS

NAME OF SMALL BUSINESS CONCERN Sequenom, Inc. ADDRESS OF SMALL BUSINESS CONCERN 101 Arch Street, Suite 1950 Boston, MA 02110 I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 CFR

121.12, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees to the United States Patent and Trademark Office, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention described in:

- () the specification filed herewith with title as listed above.
- (x) the application identified above.
- () the patent identified above.

· If the rights held by the above identified small business concern are not exclusive, each individual, concern or organization having rights in the invention must file separate verified statements averring to their status as small entities, and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(e) if that person made the invention, or by any concern with would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern or organization having any rights in the invention is listed below:

- (x) no such person, concern, or organization exists.
- () each such person, concern or organization is listed below.

Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made harein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING Steven Zaniboni

TITLE OF PERSON IF OTHER THAN OWNER \_ Chief Financial Officer

ADDRESS OF PERSON SIGNING 11555 Sorrento Valley Road, Suite C. San Diego, California 92121